INCASE

Irish Natural Capital Accounting for Sustainable Environments

Open Data Use: Our findings from the INCASE Project and Data4Nature Report

National Open Data Conference: 30/11/2021

NATURAL CAPITAL IRELAND

DATA4 NATURE

Stocks:

forests, wetlands, rivers, seagrass beds, reefs, subsoils, groundwater

Flows:

timber, fish, carbon, water, habitat, recreation, amenity, aggregates, geo-forms

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NATURAL CAPITAL IRELAND

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Institute for Development of Environmental-Economic Accounting

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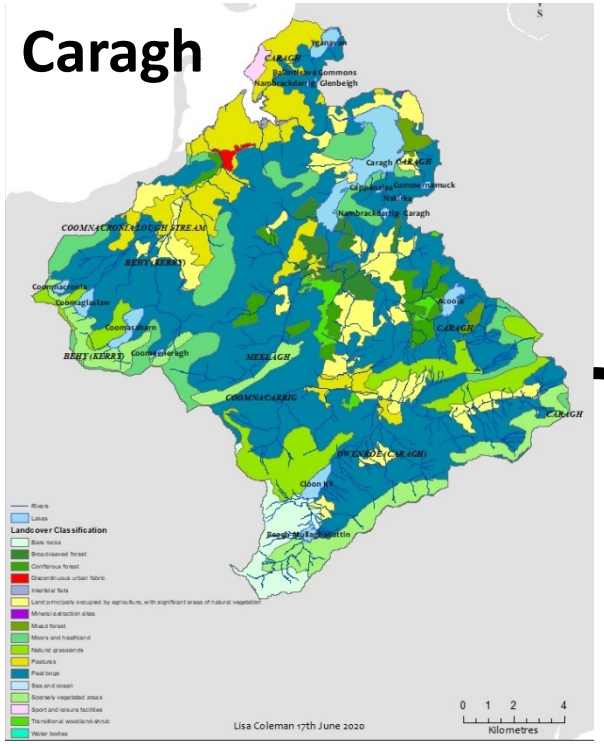
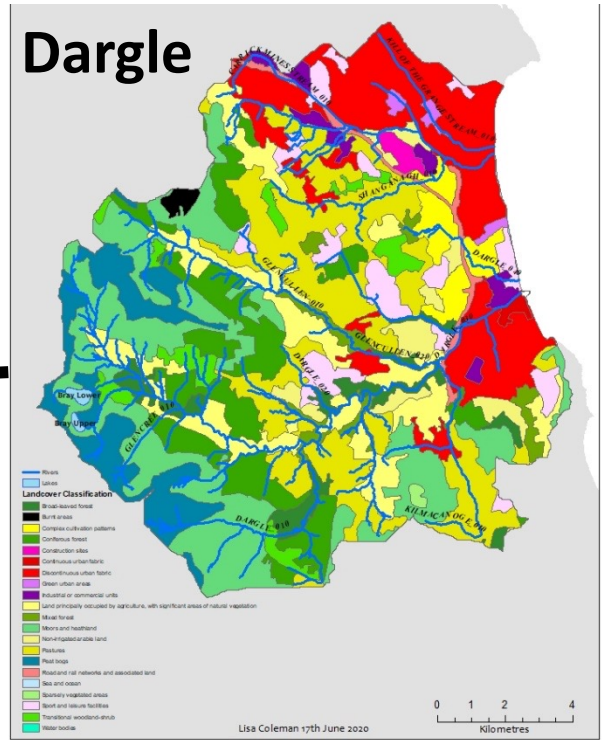
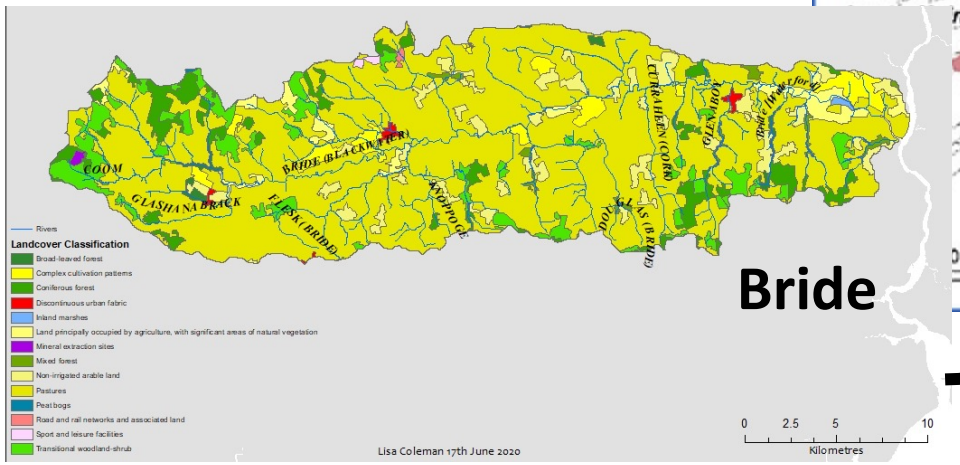
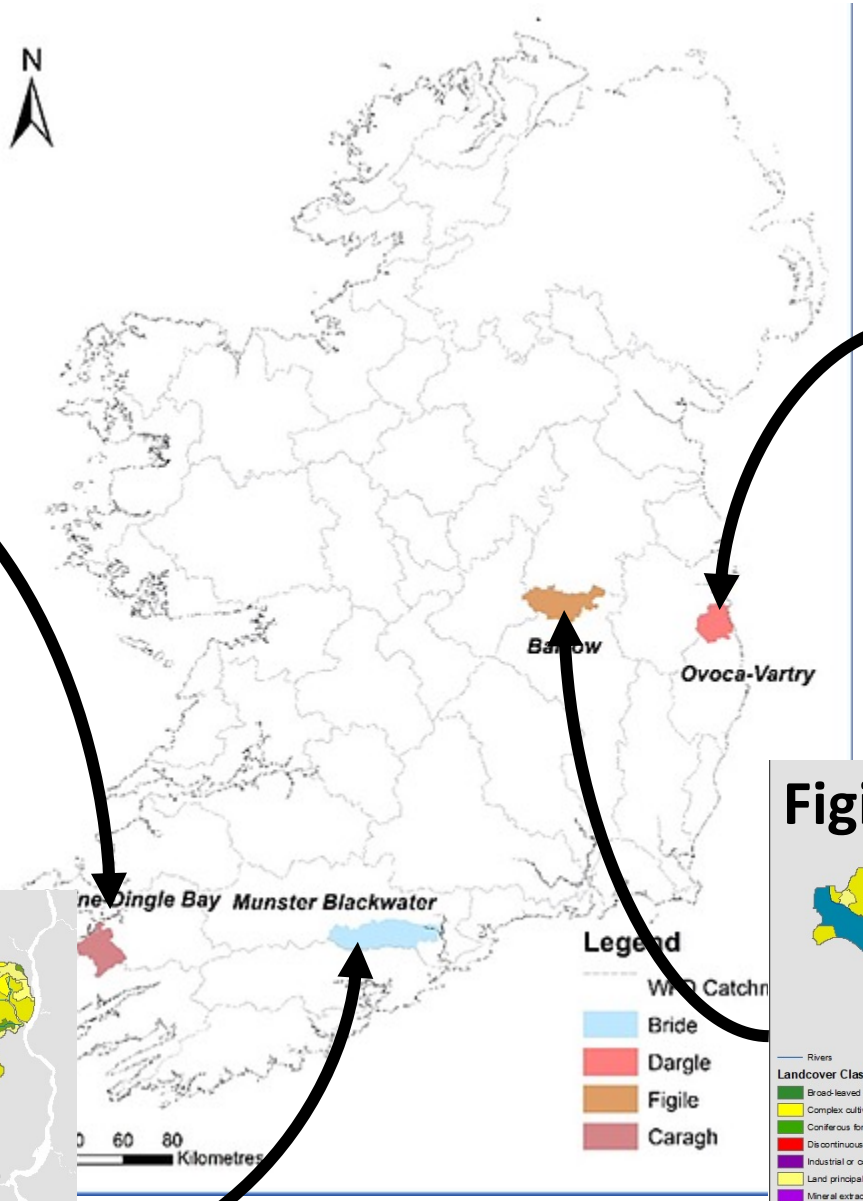
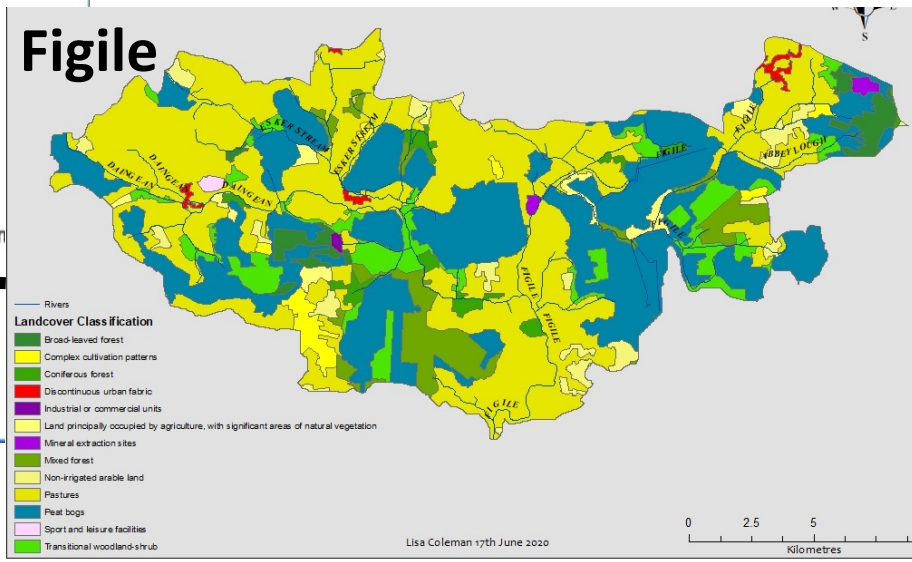




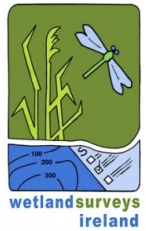


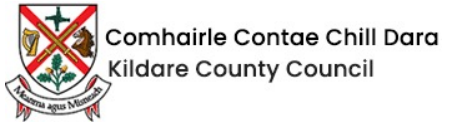




CORINE 2018

Agencies





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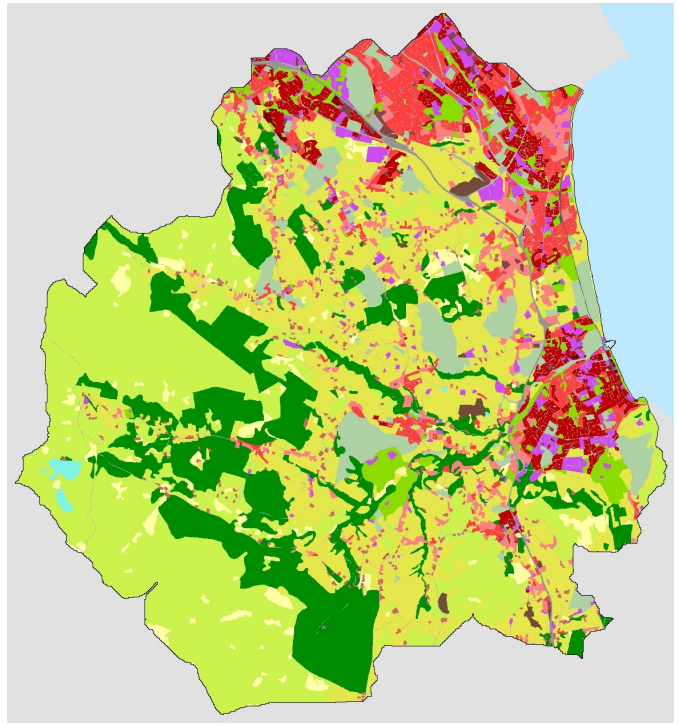
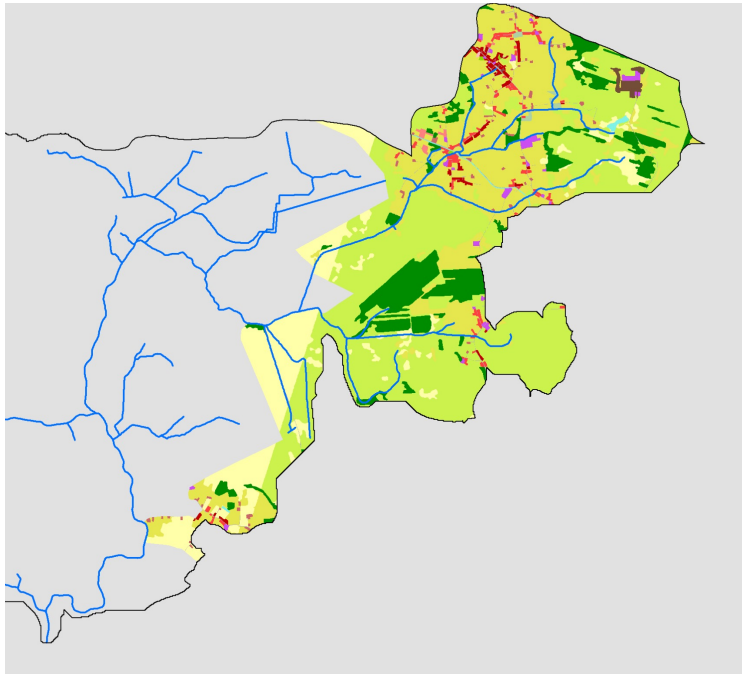
Challenges

1. Finding the Data

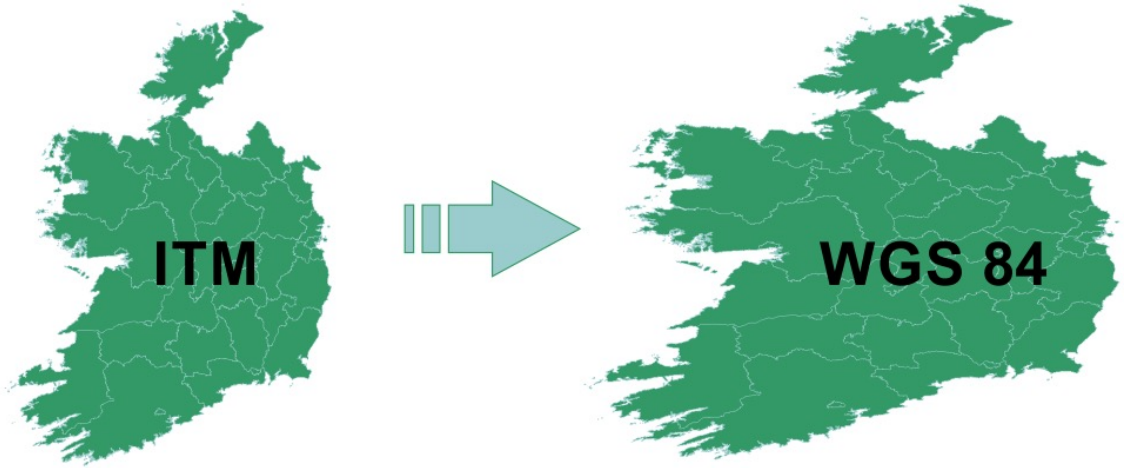
Challenges

1. Finding the Data
2. Coverage

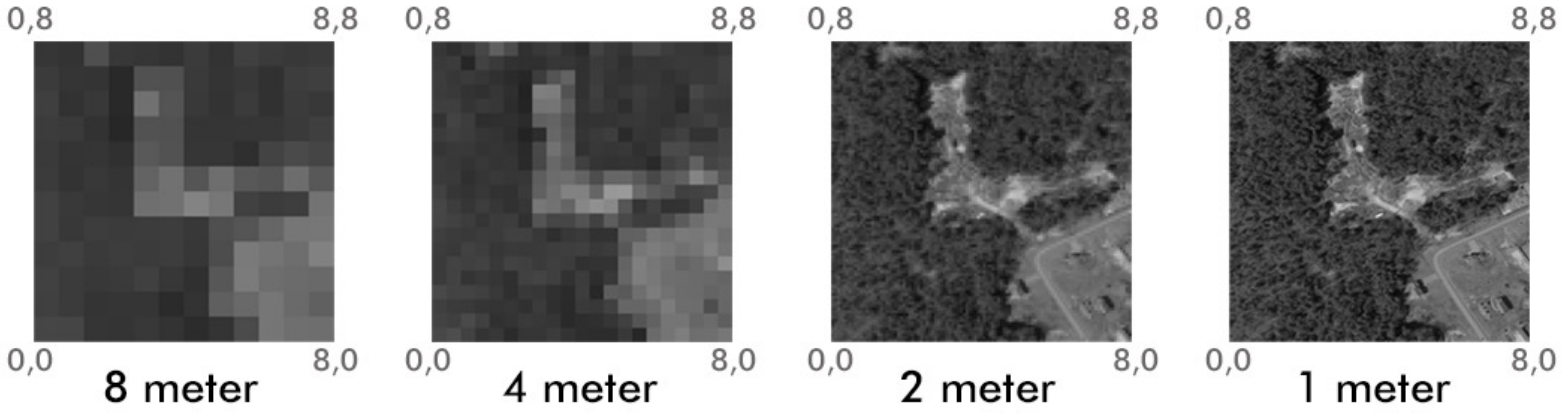




Challenges



1. Finding the Data
2. Coverage
3. Resolution and Coordinates



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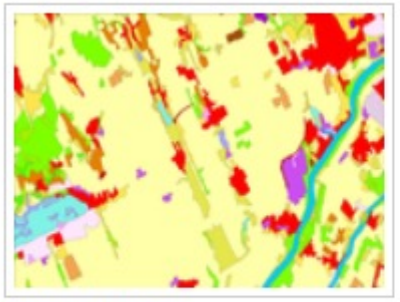
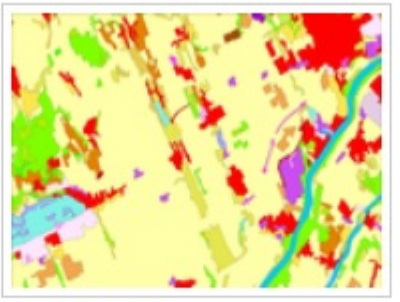
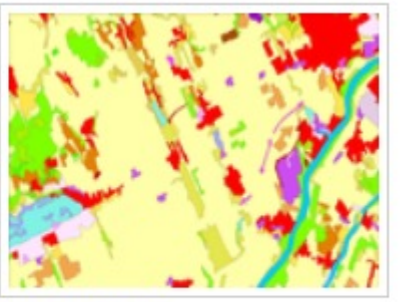
Challenges



CLC 2000



CLC 2006



CLC 2012

1. Finding the Data
2. Coverage
3. Resolution and Coordinates
4. Time Series

STATUS 2007-2009

- WFD Status Geodatabase (All Waterbodies) 2007-2009 - January 2017
- WFD Status (GIS) (All Waterbodies) 2007-2009 - January 2017

STATUS 2010-2012

- WFD Status Geodatabase (All Waterbodies) 2010-2012 - January 2017
- WFD Status (GIS) (All Waterbodies) 2010-2012 - January 2017

STATUS 2010-2015

- WFD Status Geodatabase (All Waterbodies) 2010-2015 - May 2017
- WFD Status (GIS) (All Waterbodies) 2010-2015 - May 2017

STATUS 2013-2018

- WFD Status Geodatabase (All Waterbodies) 2013-2018 - November 2019

Article 17 GIS and Metadata Downloads

The spatial data for the second and third 6-yearly Article 17 reports, in 2012 and 2019 are available here.

- Spatial data for 2019
- Spatial data for 2012

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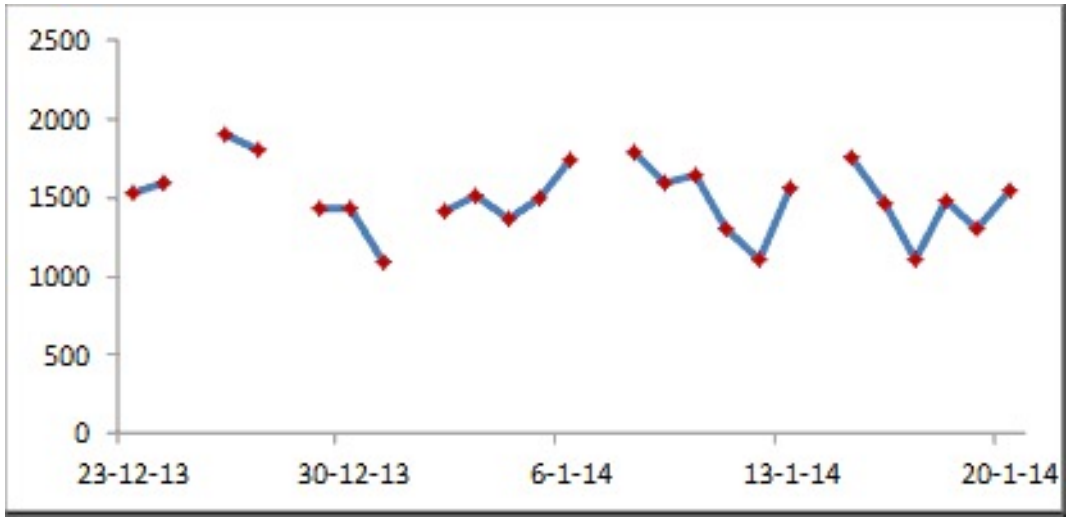
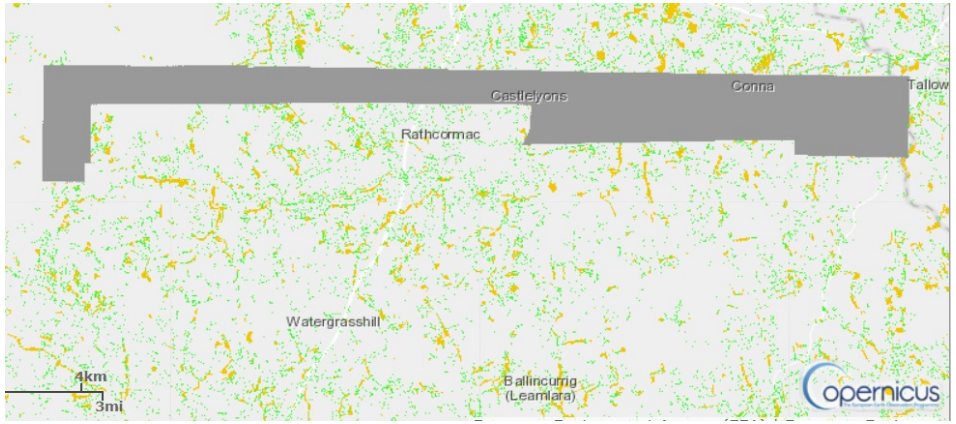
Challenges

1. Finding the Data
2. Coverage
3. Resolution and Coordinates
4. Time Series
5. Data Gaps





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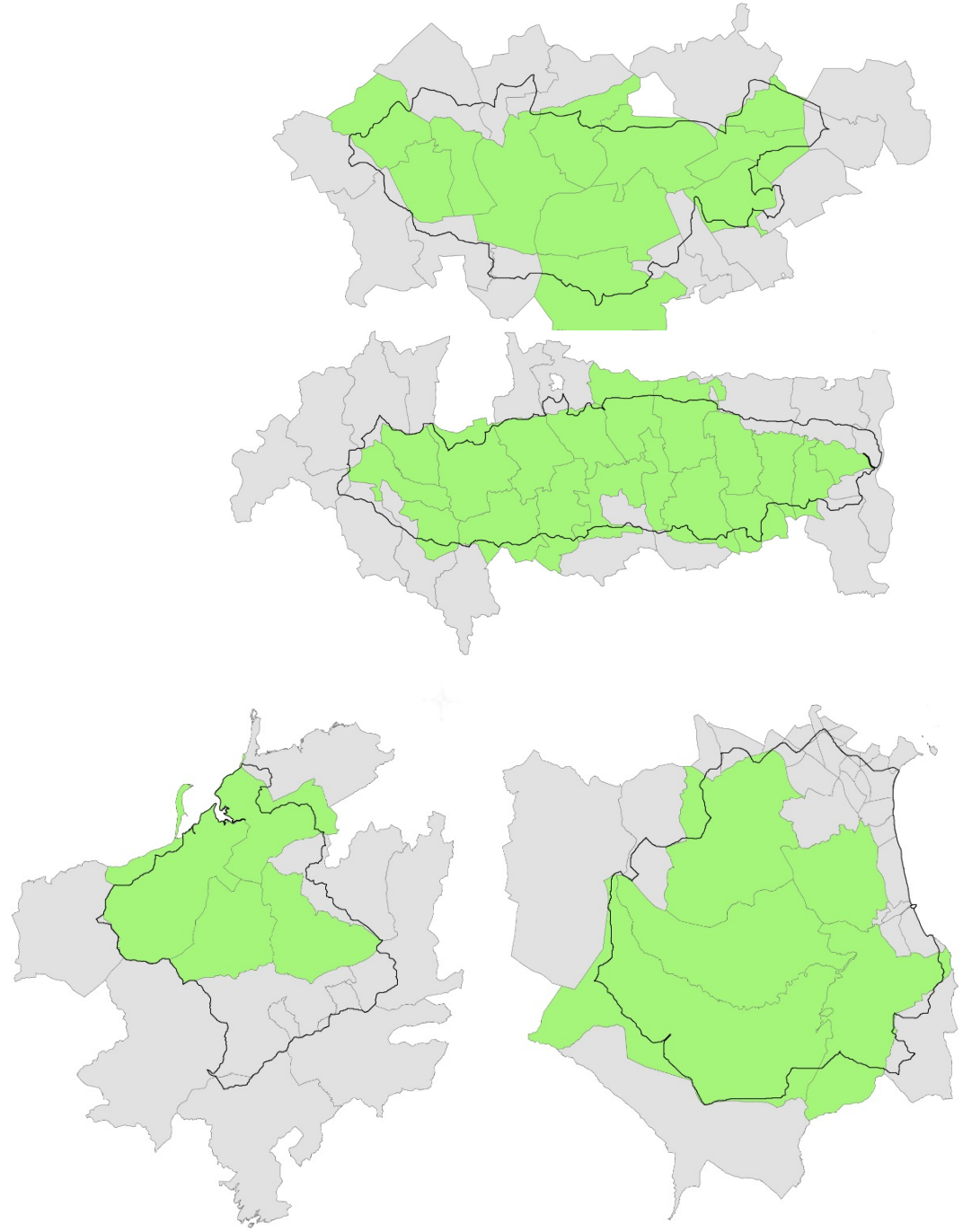
Challenges

1. Finding the Data
2. Coverage
3. Resolution and Coordinates
4. Time Series
5. Data Gaps
6. Catchments



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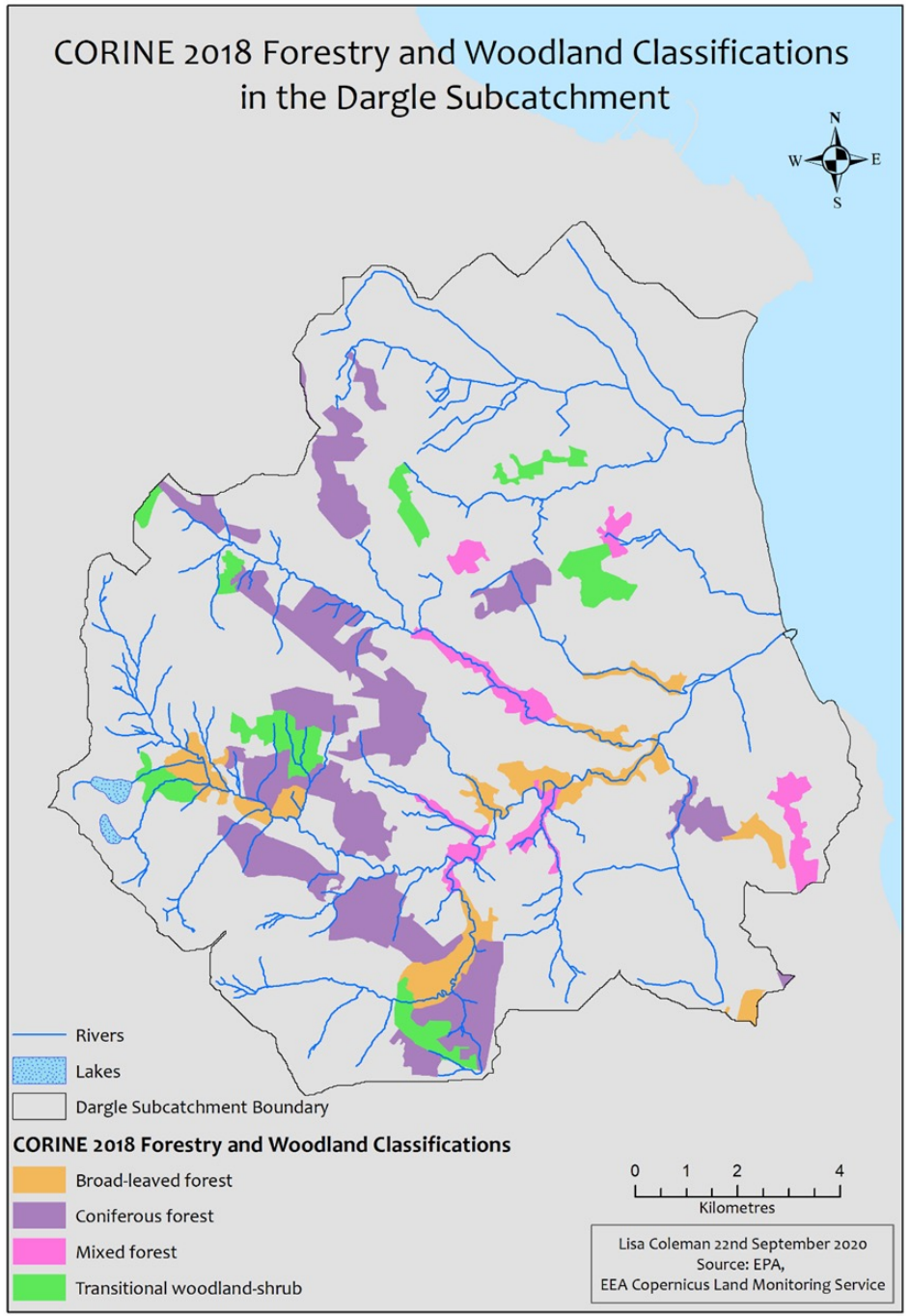

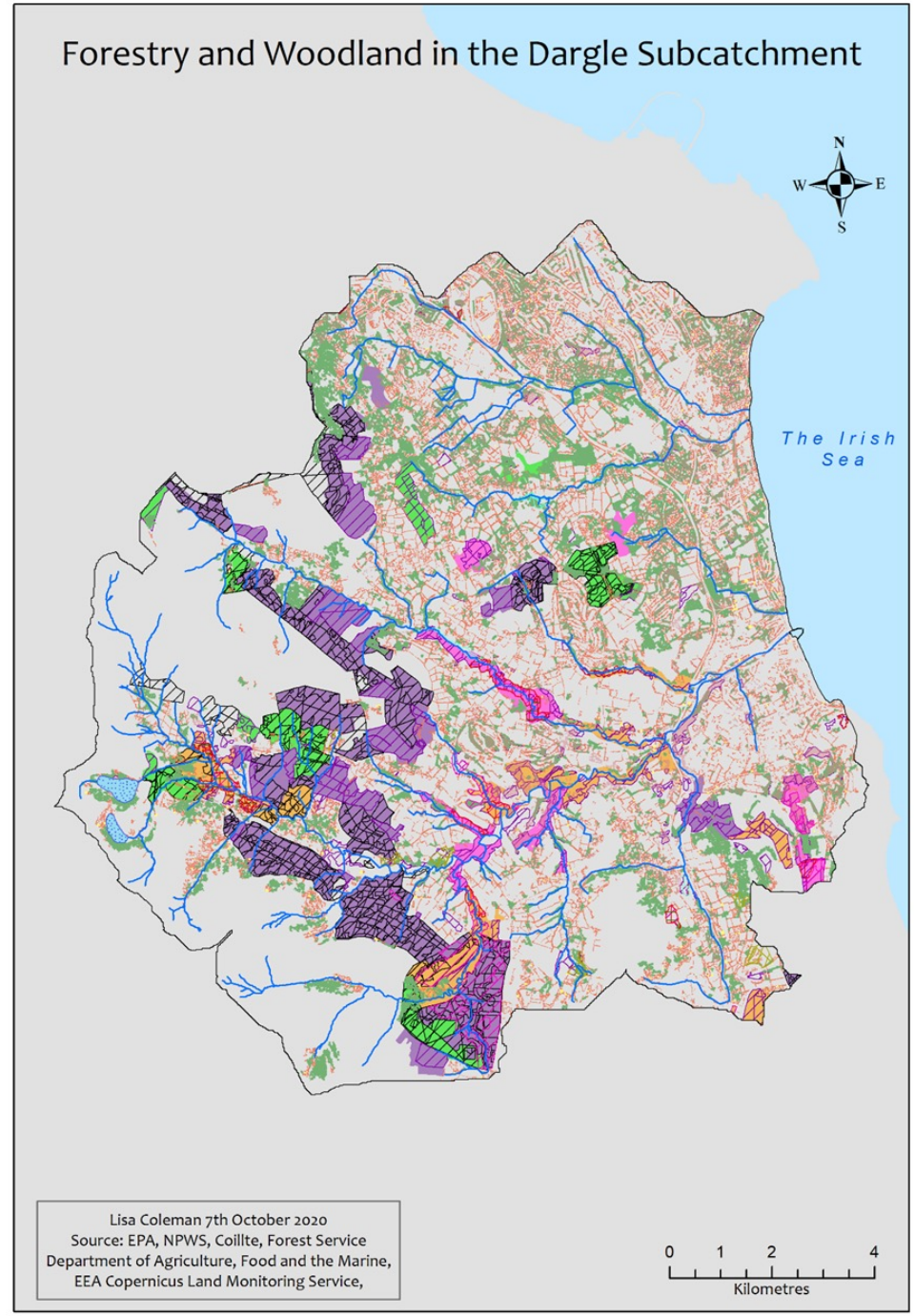

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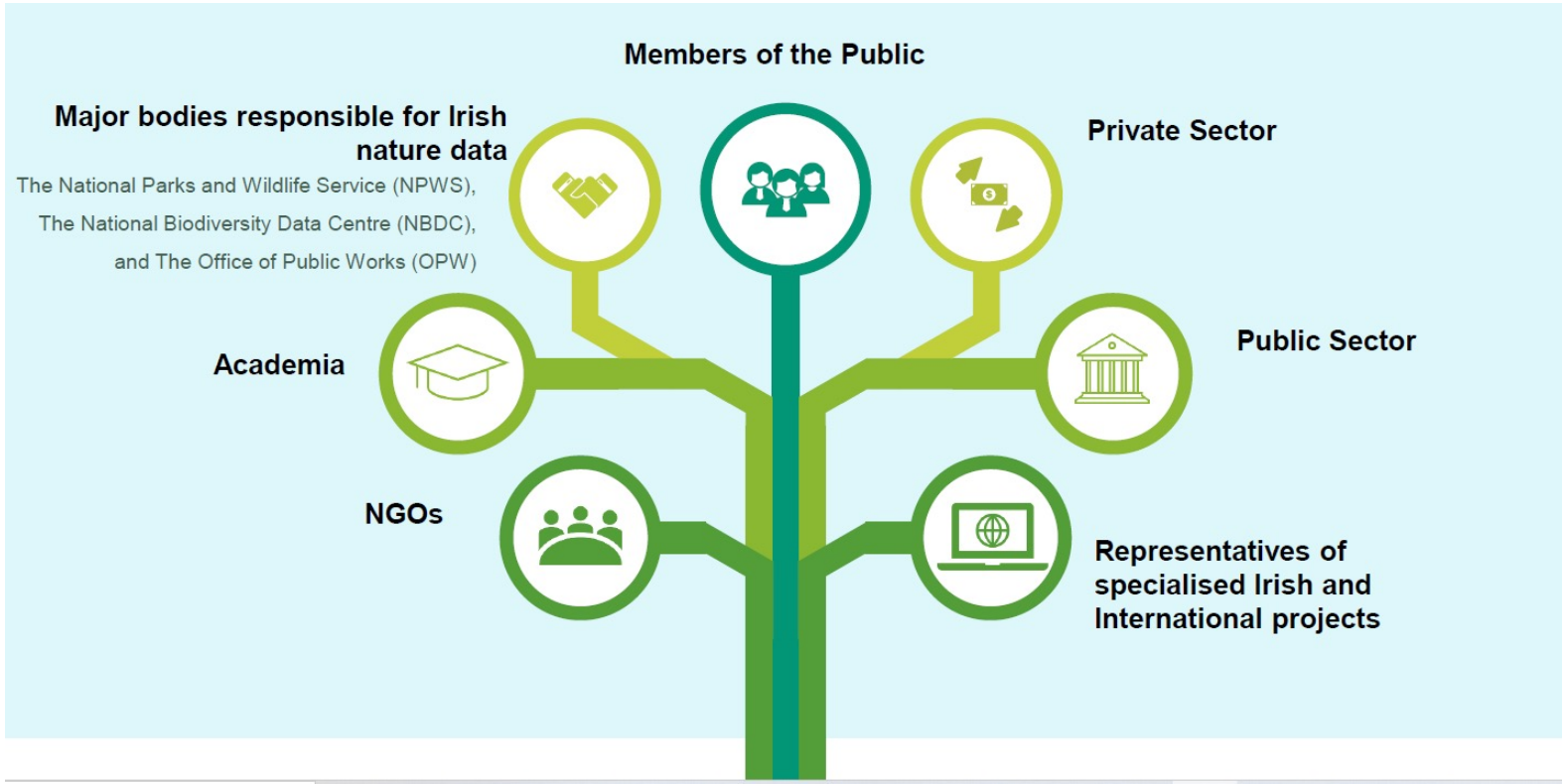
Data4Nature Workshop and Report

- Held 11th May 2021, with over 100 attendees and 13 expert presentations
- This event was funded under the Open Data Engagement Fund of the Department of Public Expenditure and Reform with additional funding from the Office of Public Works.



Data4Nature Workshop and Report

Main Aims

1. To establish the state-of-play for nature-related data in Ireland
2. To facilitate a conversation between data collectors, publishers and users
3. To record the key themes and concerns of those working with nature data
4. To present recommendations to Minister of State with special responsibility for Public Procurement & e-Government Ossian Smyth based on workshop outcomes

DATA4 NATURE

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Data4Nature Workshop and Report

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Themes

- Availability
- Accessibility
- Usability
- Accuracy
- Reproducibility
- Discoverability

5 Key Recommendations

1. Develop a central dashboard for Irish nature data

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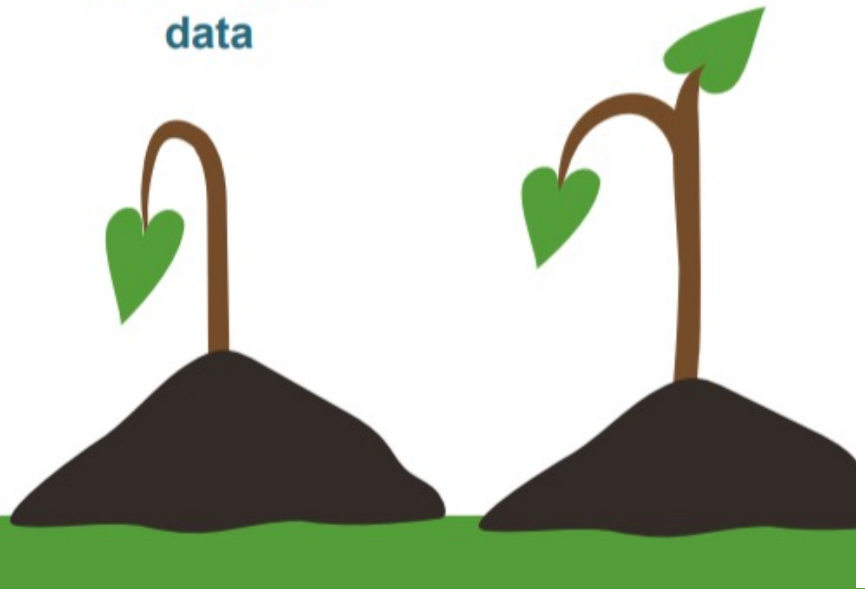
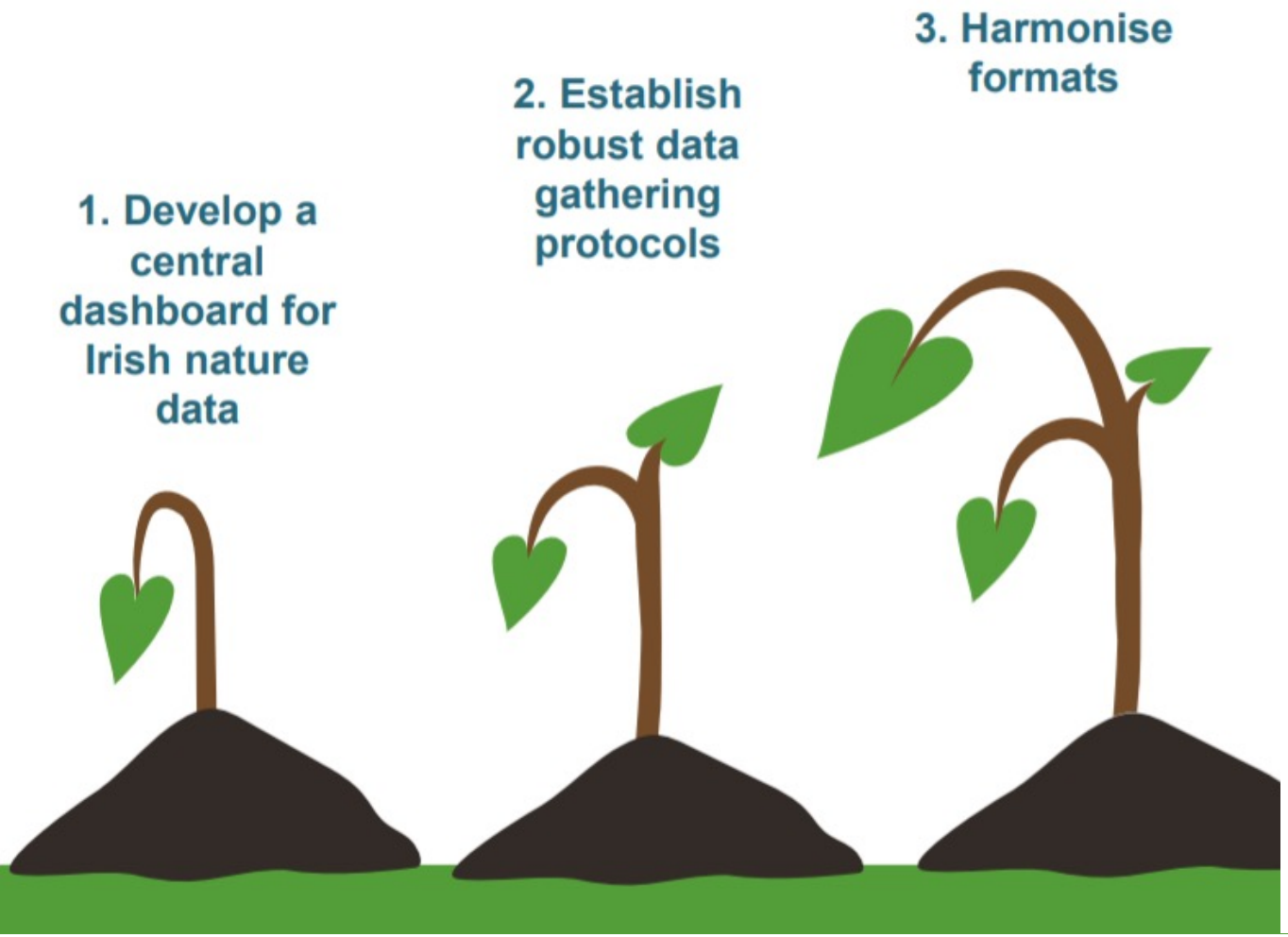
1. Develop a central dashboard for Irish nature data

2. Establish robust data gathering protocols



5 Key Recommendations



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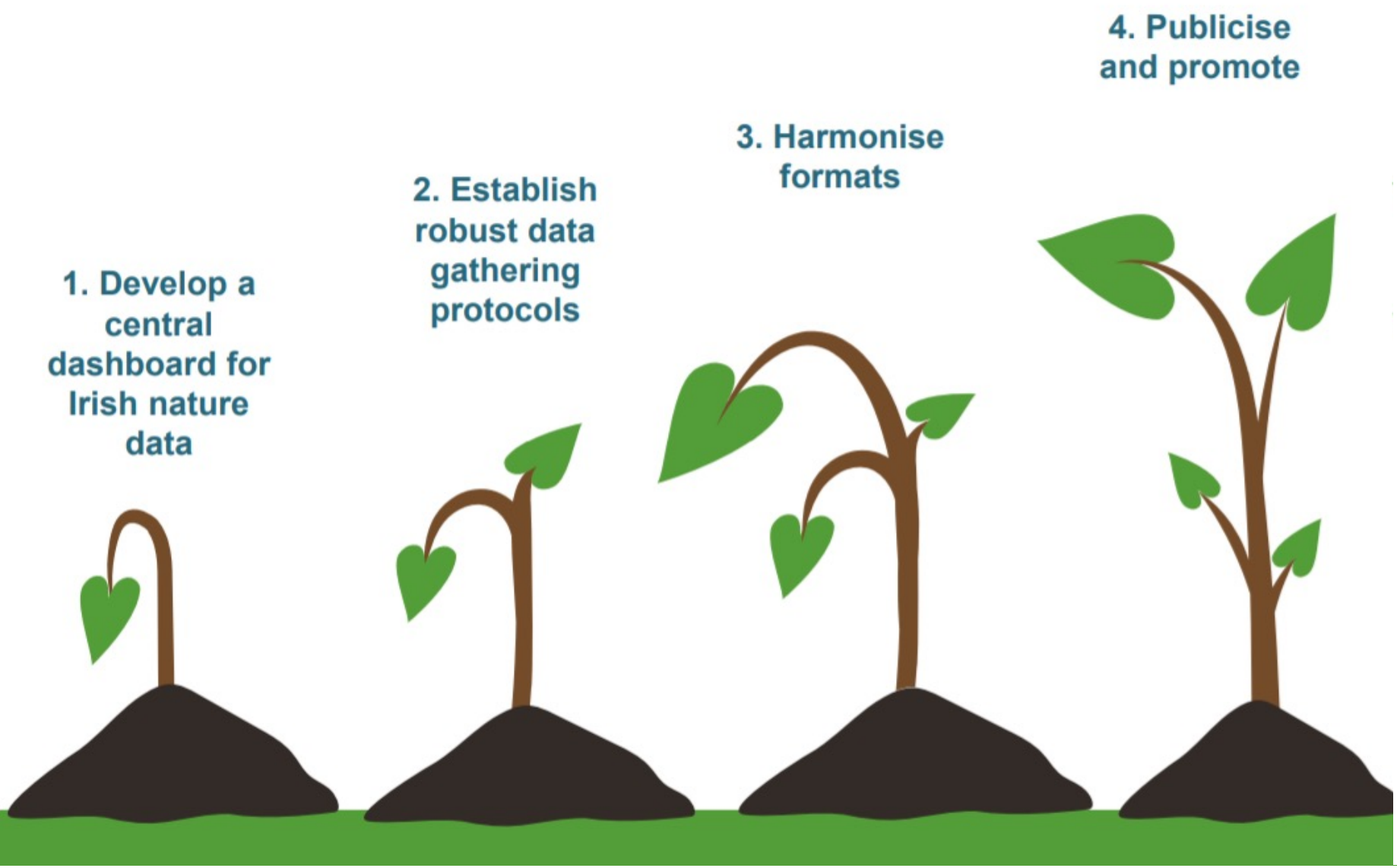

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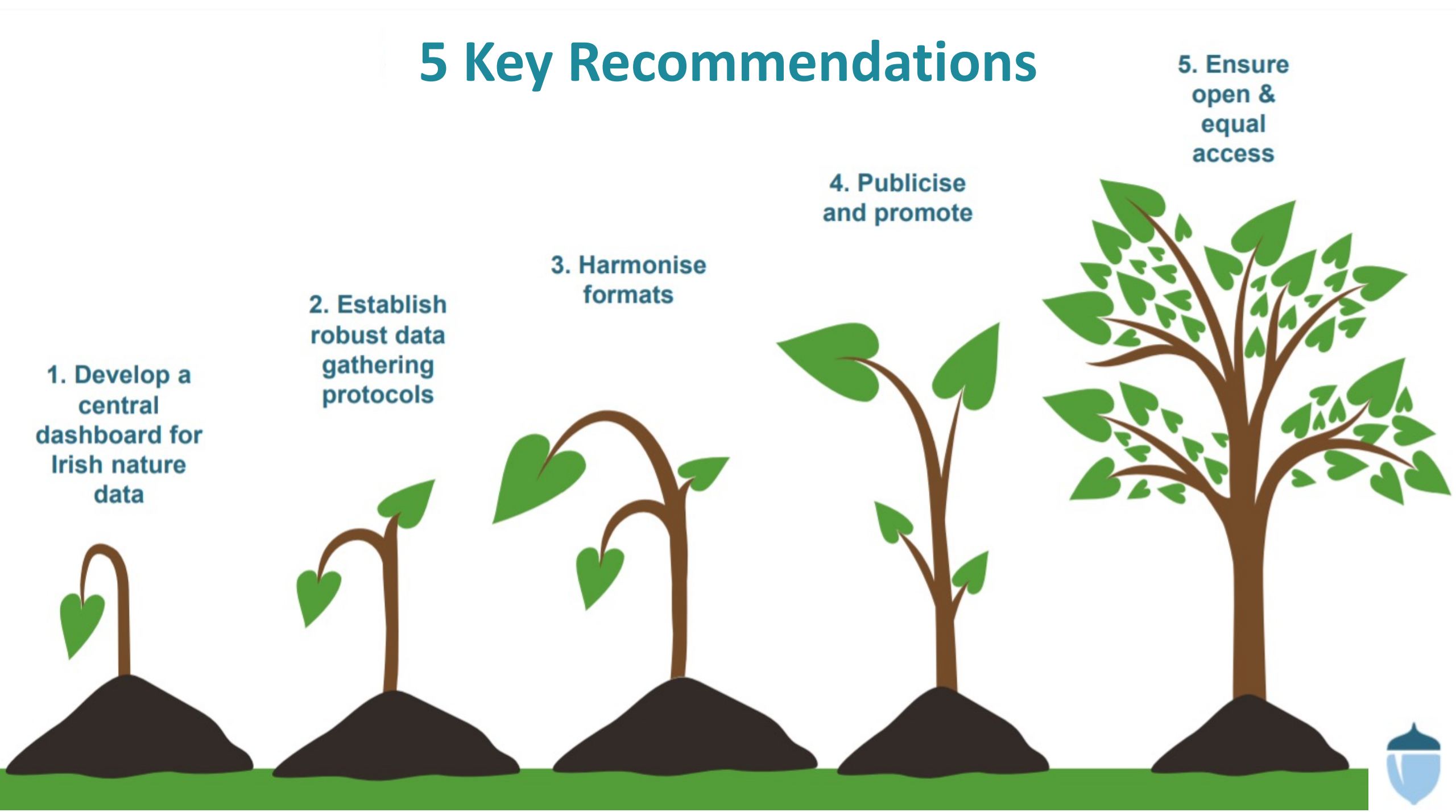

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Thanks for listening!

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Read more about our work on INCASE in our paper: https://oneecosystem.pensoft.net/article/65582/